



REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY

LIST OF MATERIALS

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| ① APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY. | ④ PIPE SPOOL FLANGED D.I.P. 2 1/2" THRU 10" |
| ② RESILIENT SEATED GATE VALVE.
O.S. & Y. (FIRE LINE CONNECTION)
N.R.S. (NON FIRE LINE) | ⑤ FLANGED ADAPTER (WHEN REQUIRED) |
| ③ 90° ELL. FLANGED D.I.P. 2 1/2" THRU 10" | |

GENERAL NOTES

- CONTACT CITY OF MESA, WATER QUALITY SERVICES, FOR LATEST LIST OF APPROVED BACKFLOW PREVENTERS OR CERTIFIED TESTERS.
- BACKFLOW PREVENTERS MUST BE TESTED BY A CERTIFIED TESTER BEFORE A FINAL APPROVAL IS ISSUED.
- BACKFLOW PREVENTERS SHALL BE PAINTED LIGHT TAN OR A COLOR TO MATCH THE BUILDING. DO NOT PAINT THE NAME PLATE OR ANY BRASS PARTS OF THE ASSEMBLY.
- INSTALL A BRASS PIPE PLUG IN EACH TESTCOCK ON THE ASSEMBLY.
- ALL BACKFLOW PREVENTERS SHALL BE PROTECTED BY GUARD POSTS. SEE C.O.M. DETAIL M-32.
- FINISHED GRADE UNDER THE BACKFLOW PREVENTER SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY.
- BACKFLOW PREVENTERS ON FIRE LINES MAY REQUIRE TAMPER SWITCHES ON THE SHUT OFF VALVES. CONTACT CITY OF MESA, FIRE PREVENTION, FOR SPECIFIC REQUIREMENTS.
- PROVIDE 24-INCH MINIMUM CLEARANCE BETWEEN BACKFLOW PREVENTION ASSEMBLY AND PERMANENT STRUCTURES.

REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY; FOR ASSEMBLIES 2 1/2 INCHES & LARGER

DETAIL NO.
M-31.1